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AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A method of reducing nephrotoxicity in an individual during radioimmunotherapeutic treatment of a pathophysiological condition, comprising:

administering a pharmacologically effective dose of one or more diuretic a competitive metal blocker consisting of bismuth subnitrate or bismuth subcitrate in combination with a chelator(s) and a diuretic(s); and

administering a chelated actinium-225 radioimmunoconjugate to treat the pathophysiological condition; and

wherein preventing accumulation of francium 221 and bismuth-213 daughters within the kidneys of the individual via interaction between said competitive metal blocker, said chelator and said diuretic(s) and said francium 221 and bismuth-213 or the kidney tissue or a combination thereof prevents accumulation of francium-221 and bismuth-213 daughters within the kidneys thereby reducing nephrotoxicity during the radioimmunotherapeutic treatment.

Claim 2 (currently amended): The method of claim 1, wherein one or more of said ~~competitive metal blocker, said chelator or said diuretic~~ is administered prior to administering said actinium-225 radioimmunoconjugate, ~~one or more of said competitive metal blocker, said chelator or said diuretic(s)~~ continuing to be administered after said actinium-225 radioimmunoconjugate.

Claim 3 (canceled).

Claim 4 (currently amended): The method of claim 1, ~~wherein said further comprising administering one or more chelator that~~ is a dithiol chelating agent, 2,3 dimercapto-1-propane sulfonic acid, meso 2,3-dimercapto succinic acid, diethylenetriamine pentaacetic acid, calcium diethylenetriamine pentaacetic acid, or zinc diethylenetriamine pentaacetic acid

Claim 5 (previously presented): The method of claim 1, wherein said diuretic is furosemide, chlorthiazide, hydrochlorothiazide or bumex.

Claims 6-7 (canceled).

Claim 8 (original): The method of claim 1, wherein said actinium-225 radioimmunoconjugate comprises an actinium-225 bifunctional chelant and a monoclonal antibody.

Claim 9 (original): The method of claim 8, wherein said actinium-225 radioimmunoconjugate is [²²⁵Ac] DOTA-HuM195.

Claim 10 (original): The method of claim 1, wherein said pathophysiological condition is a cancer or an autoimmune disorder.

Claim 11 (original): The method of claim 1, wherein said cancer is a solid cancer, a disseminated cancer or a micrometastatic cancer.

Claim 12 (original): The method of claim 11, wherein said cancer is myeloid leukemia.

Claims 13-48 (canceled).

Claim 49 (currently amended): A method of increasing the therapeutic index of a chelated actinium-225 radioimmunoconjugate during treatment of a pathophysiological condition in an individual comprising:

~~inhibiting renal uptake of francium 221 and bismuth 213 comprising:~~
administering a pharmacologically effective amount of a ~~competitive metal blocker consisting of bismuth subnitrate or bismuth subcitrate in combination with a one or more~~ diuretic and a chelator such that nephrotoxicity is reduced during the treatment,

thereby increasing the therapeutic index of said chelated actinium-225 radioimmunoconjugate.

Claim 50 (canceled).

Claim 51 (currently amended): The method of claim 49, wherein ~~said chelator and/or said diuretic(s) and/or said competitive metal blocker are~~ is administered prior to treatment with said actinium-225 radioimmunoconjugate, ~~said chelator and/or said diuretic~~ continuing to be administered after said actinium-225 radioimmunoconjugate is administered to the individual.

Claim 52 (currently amended): The method of claim 49, ~~wherein said~~ further comprising administering one or more ~~chelator that~~ is a dithiol chelating agent, 2,3 dimercapto-1-propane sulfonic acid, meso 2,3-dimercapto succinic acid, diethylenetriamine pentaacetic acid, calcium diethylenetriamine pentaacetic acid, or zinc diethylenetriamine pentaacetic acid

Claim 53 (previously presented): The method of claim 49, wherein said diuretic is furosemide, chlorthiazide, hydrochlorothiazide or bumex.

Claims 54-57 (canceled).

Claim 58 (original): The method of claim 49, wherein said actinium-225 radioimmunoconjugate is [²²⁵Ac] DOTA-HuM195.

Claim 59 (original): The method of claim 49, wherein said pathophysiological condition is a cancer or an autoimmune disorder.

Claim 60 (original): The method of claim 59, wherein said cancer is a solid cancer, a disseminated cancer or a micrometastatic cancer.

Claim 61 (original): The method of claim 60, wherein said cancer is myeloid leukemia.

Claim 62 (new): The method of claim 1, further comprising administering bismuth subnitrate or bismuth subcitrate.

Claim 63 (new): The method of claim 49, further comprising administering bismuth subnitrate or bismuth subcitrate.